



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

4/11  
10/17

In re the Appln. of

Inventor(s): Sugar et al.

Group Art Unit: 2681

Application No.: 10/065,934

Confirmation No.: 6461

Filing Date: December 2, 2002

Title: **WIDEBAND MULTI-PROTOCOL WIRELESS RADIO TRANSCEIVER  
SYSTEM**

**PRELIMINARY AMENDMENT**

**RECEIVED**

**JUN 20 2003**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Technology Center 2600

Dear Sirs:

Prior to examination of the captioned application, please make the following changes:

**IN THE CLAIMS**

Please add the following new claims 12 and 13:

--12. A radio transceiver system for communication of signals associated with one or more wireless communication protocols occurring in a common frequency band, the system comprising:

Ac a radio transceiver that detects energy in a frequency band and downconverts the energy to a low intermediate frequency or baseband signal, and that upconverts one or more signals to be transmitted in the frequency band; and

a baseband signal processing section coupled to the radio transceiver that performs baseband demodulation of signals received by the radio transceiver to produce a plurality of baseband receive signals associated with a corresponding communication protocol, and that performs baseband modulation of a plurality of baseband transmit signals associated with a corresponding communication protocol, wherein the baseband